

From: [Cook, Brenda](#)
To: [Webster, Susan](#); [Villarreal, Chris](#); [Ofosu, Philip](#); [Petersen, Chris](#)
Cc: [Baker, Brett](#)
Subject: Request from ADEQ to have removal look at samples from Hope Iron & Metal
Date: Tuesday, December 15, 2015 12:08:03 PM
Attachments: [Figure 3-2 AdditionalSampling Locations.pdf](#)
[Additional Sampling Event Surface Soil Samples Table.doc](#)
[Hope I&M ESI small.pdf](#)

Hi Susan,

We had a conference call last week with ADEQ regarding Hope Iron and Metal, the state had conducted an ESI –but the site did not score sufficiently for NPL consideration. The site is an abandoned metal salvage yard that also had PCP transformers on-site. On-site soil concentrations on-site and in off-site residential areas have high concentrations of Lead, Cadmium, Copper and Zinc as well as PCB's and some PAH's. ADEQ has asked that we forward this information to our removal folks for consideration. I am attaching the ESI (which has the on-site results), the off-site residential soil samples and results (table below) for you to look at. In addition the site is not secure, and there is evidence that residents often access the site- and neighborhood youth frequent the area. Brett Baker is our contact for ADEQ on this site. I am copying him on this email. His contact information is below.

Brett Baker

Site Assessment Supervisor

ADEQ Hazardous Waste Division

5301 Northshore Drive

NLR, AR 72118

501-682-0874

Analyte	SS2-01	SS2-02	SS2-03	SS2-04	SS2-05	SS2-06	Residential RSL	Industrial RSL	Highest 3X BKND Level
Priority Pollutant Metals:									
Antimony	33.2*	27.1	28.2	48.8*	33.7*	0.5	31.0	470	U
Arsenic	19.4**	21.8**	13.6**	22.3**	17.1**	4.5**	0.68	3.0	21.6
Beryllium	U	U	0.6	U	0.6	U	160	2,300	U
Cadmium	71.8*	67.8	44.6	97.0*	57.4	2.2	71.0	980	15.3
Chromium	194	208	272	194	299	12.8	ND	ND	45.6
Copper	6,590*	3,710*	3,950*	7,990*	4,400*	52.2	3,100	47,000	209
Lead	2,920**	3,160**	1,920**	3,760**	3,160**	126	400	800	774
Nickel	325	321	290	543	683	11.7	1,500	22,000	32.4
Selenium	2.1	1.8	1.1	7.6	U	U	390	5,800	U
Thallium	0.9*	1.0*	0.6	0.5	1.2*	U	0.78	12.0	U
Zinc	12,600	13,000	7,630	27,100*	30,300*	220	23,000	350,000	807
Other TAL Metals:									
Aluminum	66,600	54,900	30,700	99,900*	74,400	7,310	77,000	1,100,000	19,110
Barium	519	565	489	684	595	856	15,000	220,000	1,077
Calcium	6,320	7,410	8,750	4,330	11,000	4,620	ND	ND	8,460
Cobalt	21.9	21.5	19.5	17.6	21.2	8.9	23.0	350	65.4
Iron	130,000*	109,000*	123,000*	89,600*	108,000*	13,300	55,000	820,000	78,900
Magnesium	1,920	1,860	1,790	2,860	3,070	681	ND	ND	2,043
Manganese	1,670	1,430	1,470	1,300	1,770	1,250	1,800	26,000	8,430
Potassium	242	312	383	238	408	503	ND	ND	1,740
Sodium	128	137	155	192	245	U	ND	ND	U
Vanadium	43.1	38.8	41.5	36.7	42.8	28.8	390	5,800	120.3
SVOCs:									
Anthracene	0.543	U	U	U	0.569	U	18,000	230,000	U
Benzo(a)anthracene	2.93**	1.36*	0.841*	U	3.1**	U	0.16	2.9	U
Benzo(a)pyrene	2.76**	1.64**	1.17**	0.563**	3.58**	U	0.016	0.29	U
Benzo(b)fluoranthene	3.96**	2.1*	1.68*	1.08*	4.56**	0.832*	0.16	2.9	U
Benzo(g,h,i)perylene	1.43	1.11	0.845	0.581	1.73	U	ND	ND	U
Benzo(k)fluoranthene	2.64*	1.71*	1.3	0.607	3.59*	0.576	1.6	29.0	U
Bis(2-ethylhexyl)phthalate	1.9	2.9	5.89	0.507	2.55	U	39.0	160	U

Butyl benzyl phthalate	0.812	3.33	U	U	U	U	290	1,200	U
Chrysene	2.89	1.55	1.14	0.510	3.18	U	16.0	290	U
Dibenz(a,h)anthracene	0.563**	U	U	U	0.671**	U	0.016	0.29	U
Di-n-butylphthalate	3.52	0.792	1.13	U	U	U	6,200	82,000	U
Fluoranthene	5.6	2.43	1.09	0.589	5.93	0.359	2,400	30,000	U
Indeno(1,2,3-cd)pyrene	1.39*	1.01*	0.714*	U	1.8*	U	0.16	2.9	U
Phenanthrene	3.34	0.994	0.425	0.215	3.11	U	ND	ND	U
Pyrene	4.38	1.85	1.0	0.572	3.84	0.311	1,800	23,000	U
PCBs:									
Aroclor-1242	7.26**	6.78**	39.3**	4.6**	2.57**	U	0.23	0.97	U
Aroclor-1254	10.2**	9.56**	15.6**	7.08**	4.92**	U	0.24	0.97	0.204
Aroclor-1260	11.7**	10.8**	8.79**	15.9**	8.53**	0.084	0.24	0.99	0.170

From: Baker, Brett [mailto:BAKERB@adeq.state.ar.us]

Sent: Friday, December 11, 2015 3:49 PM

To: Cook, Brenda

Cc: Chamberlain, Katie; Ritchie, Douglas; Villarreal, Chris; hynum@adeq.state.ar.us

Subject: Hope Iron & Metal

Brenda,

Per our conversation today, attached are the documents you requested.

The Hope Iron & Metal site has high concentrations of numerous metals (particularly lead), SVOCs, and PCBs. We have been to the site on at least 5 occasions, and every time we were out there persons (teens, kids, and adults) were seen on and crossing the site. The site is not fenced in, which makes it easy for trespassers. Currently on site, there are two unoccupied buildings. Buried debris (Metal, trash, etc.) is located all throughout the site. It is not known how far below ground surface contamination goes, but numerous subsurface samples indicated high concentrations of metals (particularly lead), SVOCs, and PCBs.

If anything else is need regarding the Hope Iron & Metal site, please let me know.

Thanks,

Brett Baker

Site Assessment Supervisor

ADEQ Hazardous Waste Division

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